

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of claims:

Claim 1 (currently amended). A device for coupling light into an optical conductor having a light receiving surface onto which light can be projected, the device comprising:

an optical light element for generating the light, said optical light element containing:

a light-guiding body functioning as a housing having a luminous surface, said luminous surface having a coupling region corresponding directly to the light receiving surface of the optical conductor and being free of additional optical elements;

a reflector disposed in said housing, said reflector having a base rim in an immediate vicinity of said luminous surface and a reflecting surface for focusing the light onto at least one of said coupling region of said luminous surface of said housing and the light receiving surface of the optical conductor;

a luminous chip formed of photoelectric material disposed in said reflector, said photoelectric material generating the light; and

electric terminals for supplying power and disposed in said housing, one of said terminals being formed on a side opposite from said reflector and the other of said terminals being connected to said reflector by a bond wire running through a gap formed between said base rim and said luminous surface; and

a photoelectric material disposed in said reflector and connected to said electric terminals, said photoelectric material generating the light.

Claim 2 (currently amended). An optical device, comprising:

an optical conductor having a light receiving surface onto which light can be projected; and

an optical light element for generating the light transmitted to said optical conductor, said optical light element containing:

a light-guiding body functioning as a housing having a luminous surface, said luminous surface having a coupling

region corresponding directly to said light receiving surface of said optical conductor and being free of additional optical elements;

a reflector disposed in said housing, said reflector having a base rim in an immediate vicinity of said luminous surface and having a reflecting surface for focusing the light onto at least one of said coupling region of said luminous surface of said housing and said light receiving surface of said optical conductor;

a luminous chip formed of photoelectric material disposed in said reflector, said photoelectric material generating the light; and

electric terminals for supplying power and disposed in said housing, one of said terminals being formed on a side opposite from said reflector and the other of said terminals being connected to said reflector by a bond wire running through a gap formed between said base rim and said luminous surface; and

a photoelectric material disposed in said reflector and connected to said electric terminals, said photoelectric material generating the light.

Claim 3 (original). The device according to claim 2, wherein said reflecting surface of said reflector has a geometry by which the light emitted by said photoelectric material is projected at a predetermined angle onto at least one of said coupling region of said luminous surface and said light receiving surface of said optical conductor.

Claim 4 (original). The device according to claim 2, wherein said reflecting surface of said reflector has a shape selected from the group of a parabolic shape and an elliptic shape.

Claim 5 (original). The device according to claim 2, wherein:

said reflector has an opening formed therein;

said coupling region forms a substantially flat area corresponding to said opening of said reflector; and

said light receiving surface of said optical conductor is disposed in a plane-parallel fashion relative to said coupling region.

Claim 6 (original). The device according to claim 2, wherein said optical conductor has at least one optical fiber.

Claim 7 (original). The device according to claim 2, wherein said optical conductor has a given diameter corresponding to an area of said coupling region.

Claim 8 (original). The device according to claim 2, wherein said optical light element for generating the light is a light-emitting diode.

Claim 9 (original). The device according to claim 6, wherein said optical fiber is formed from a material selected from the group consisting of glass and plastic.

Claim 10 (original). The device according to claim 3, wherein said predetermined angle is an angle that is most favorable optically for reception in said optical conductor.

Claim 11 (currently amended). A light-emitting diode for use in an optical device, comprising:

a base having electric terminals and, one of said electric terminals being configured in an illuminating direction as a reflector having a reflecting surface and a base rim bounding said reflecting surface;

a luminous chip formed of photoelectric material disposed in said reflector and connected to the other of said electric terminals via a bond wire; and

an optically conducting body functioning as a housing connected to said base, said housing having a luminous surface and surrounding said photoelectric material, said luminous surface having a coupling region constructed at a smallest possible distance from said base rim;

said bond wire running through a gap formed between said base rim and said luminous surface.

Claim 12 (original). The light-emitting diode according to claim 11, wherein said reflector has an opening formed therein and said coupling region is a flat area disposed parallel to said opening.